

# DMS 70

## Service Manual

09/13

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Last modification :

- Add DSM70 Dual
- Add antenna wdg pos 31

DHT 70  
Digital handheld  
transmitter



DPT 70  
Digital bodypack  
transmitter



DSR 70  
Digital stationary  
receiver



DSR 70 DUAL  
Digital stationary  
receiver



### Power supply :

**Quattro**, SMPS 12V/2A p/n 7801H00110

**Dual**, SMPS 12V/0,5A p/n 7801H00130

Frequency range, Mhz,
2,4Ghz

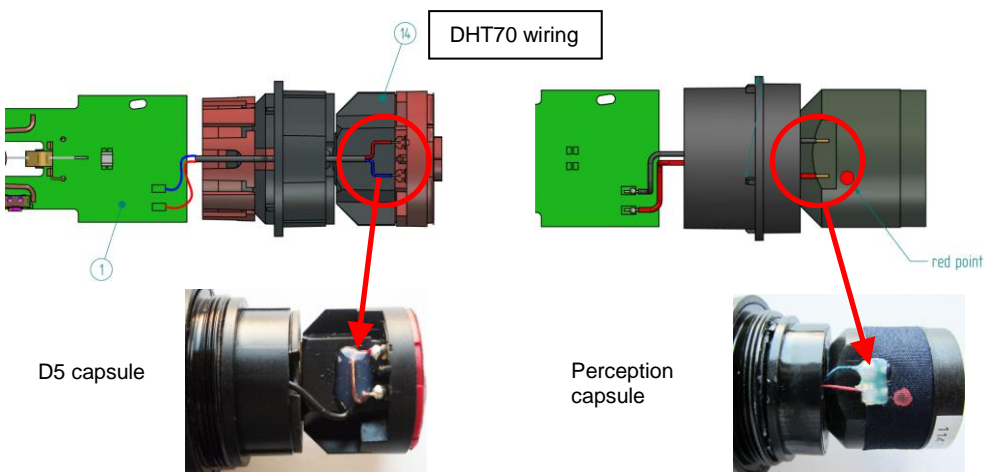
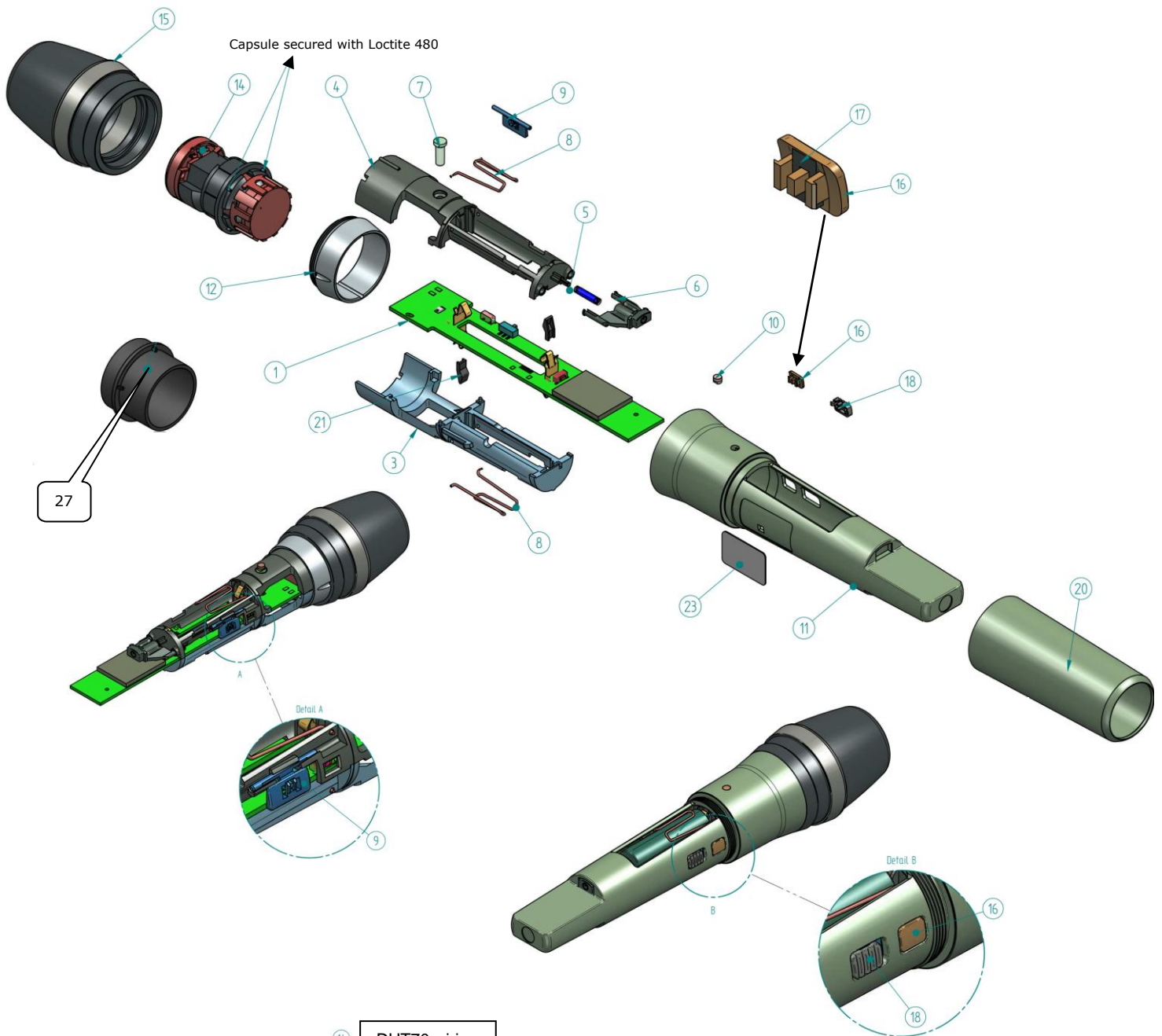
### Website links:

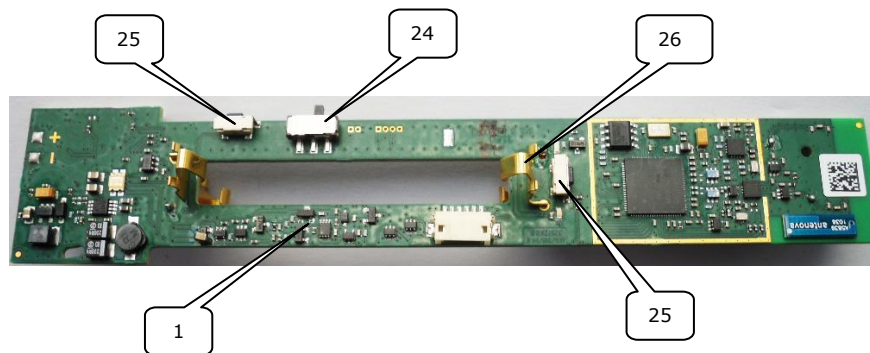
[User manual](#) (PDF, 4,55 MB)

[Quick Start Guide](#) (PDF, 3,61 MB)

[Cut sheet](#) (PDF, 2,12 MB)

**DHT 70 3257Z00010**  
**DHT 70 P 3357X00010**





### DHT 70 Parts list / Stückliste

Description	Pos.	Part number Bestellnummer	Quantity Stück	Bezeichnung
Mainboard	1	3257M01010	1	Print kompl.
Cage bottom	3	3257Z01020	1	Käfig Unterteil
Cage top	4	3257Z01030	1	Käfig Oberteil
Spring D-016D-1	5	9999N07840	1	Feder D-016D-1
On/Off button	6	3257Z01040	1	On/Off Knopf
Lightguide Cage Top	7	3257Z01050	1	Lichtleiter, Käfig Oberteil
Battery holder	8	3257Z01060	2	Batteriehalter
Slider	9	3257Z01070	1	Schieber
Light guide housing	10	3257Z01080	1	Lichtleiter, Gehäuse
Housing compl. (incl. 10,12)	11	3257M90010	1	Gehäuse kompl. (inkl. 10, 12)
Capsule assy. D5	14	2610Z00060	1	Kapsel kompl. D5
Capsule assy. (only for Perception)	14	1400M40010	1	Kapsel kompl. D5 (nur für Perception)
Wire mash cap	15	3157M12040	1	Gitterkappe
Wire mash cap (only for Perception)	15	3157M12050	1	Gitterkappe (nur für Perception)
Connect button*	16	3257Z01120	1	Connect Knopf*
Foam connect button	17	3257Z01160	1	Schaumeinlage, Connect Knopf
Gain button	18	3257Z01130	1	Gain Knopf
Sleeve	20	3257Z01140	1	Hülse
Battery contact support	21	3257Z40010	2	Kontaktunterlage
Device sticker	23	9110U39710	1	Typenschild
SMD side type slide switch	24	9040E00060	1	SMD Schiebeschalter
SMD side type push switch	25	9040E00110	2	SMD Druckschalter
Battery contact	26	3257Z01150	4	Batteriekontakt
Capsule bearing (only for Perception)	27	3357Z10010	1	Kapsellager (nur für Perception)
SA63 stand adapter	-	6001H63050		SA63 Stativadapter

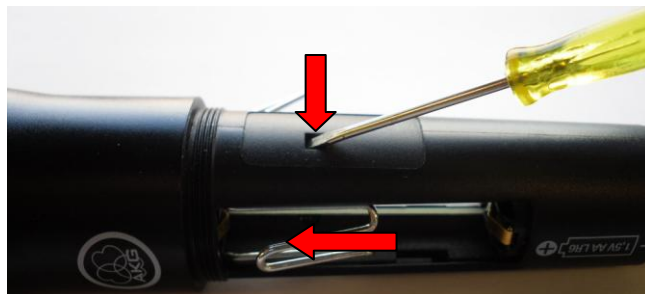
\*Always use a new knob for reassemble the housing.

**To dismantle the DHT70 proceed as follows:**

1. Remove battery sleeve (20), wire mesh cap (15), connect button (16), gain button (18), and device sticker (23);



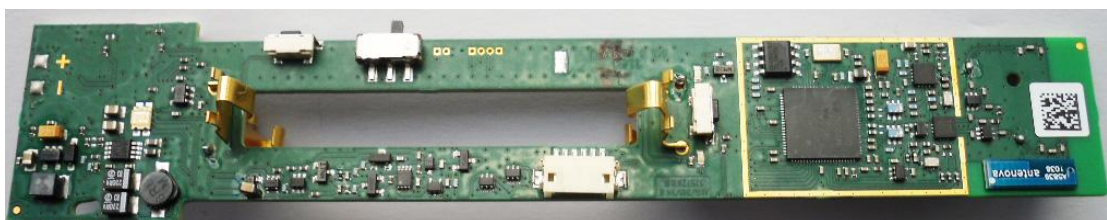
2. Open locking mechanism with small screw driver. Push inside cage out of the housing.



3. Remove cage bottom (3) and top (4) and unsolder capsule wires.

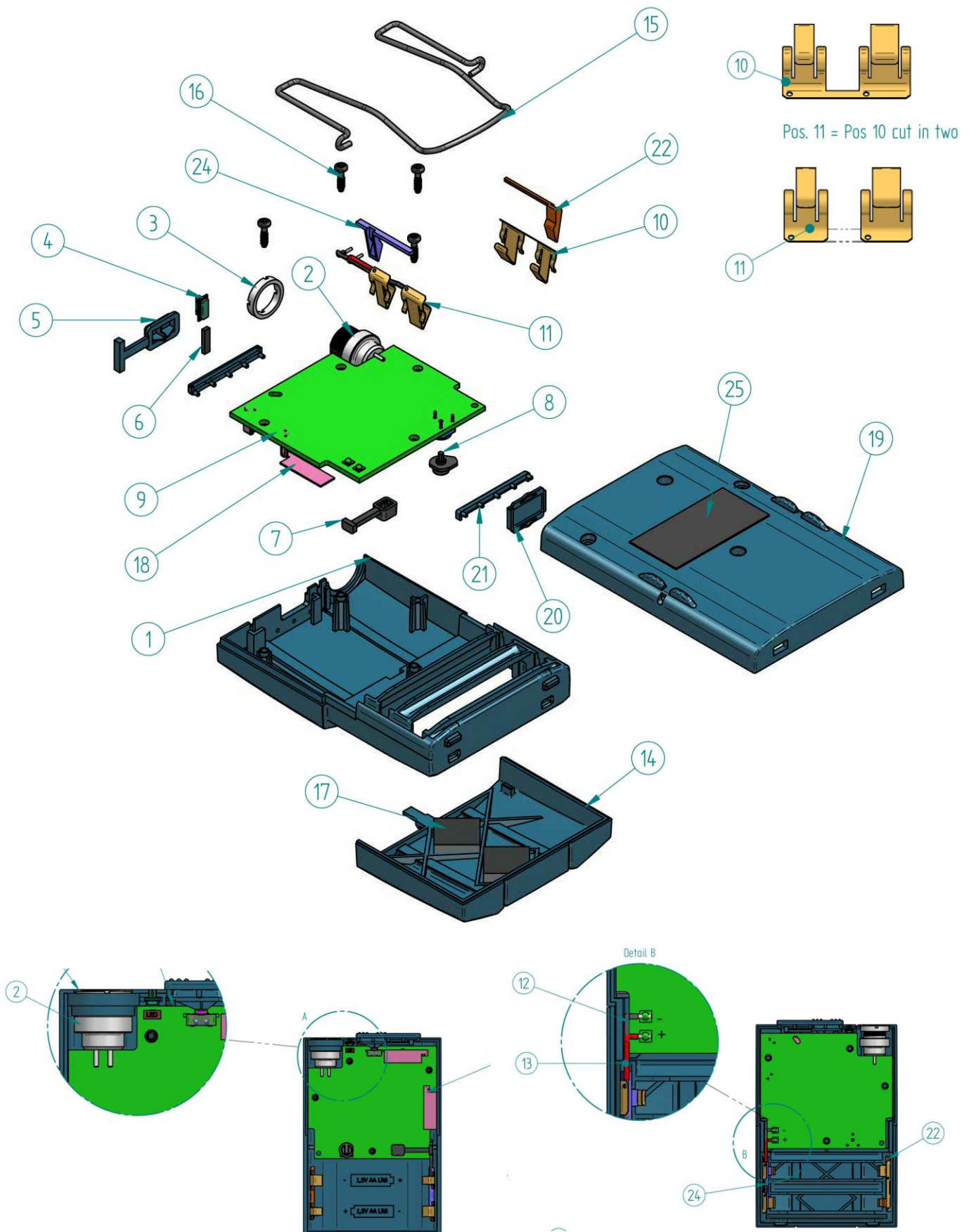


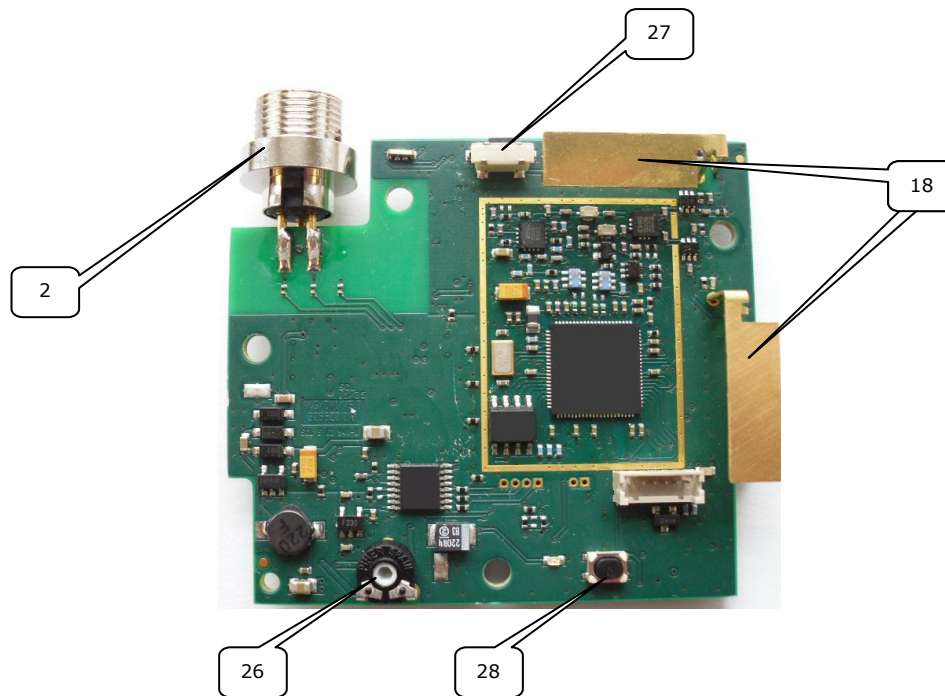
4. Mainboard





**DPT 70 3256Z00010**

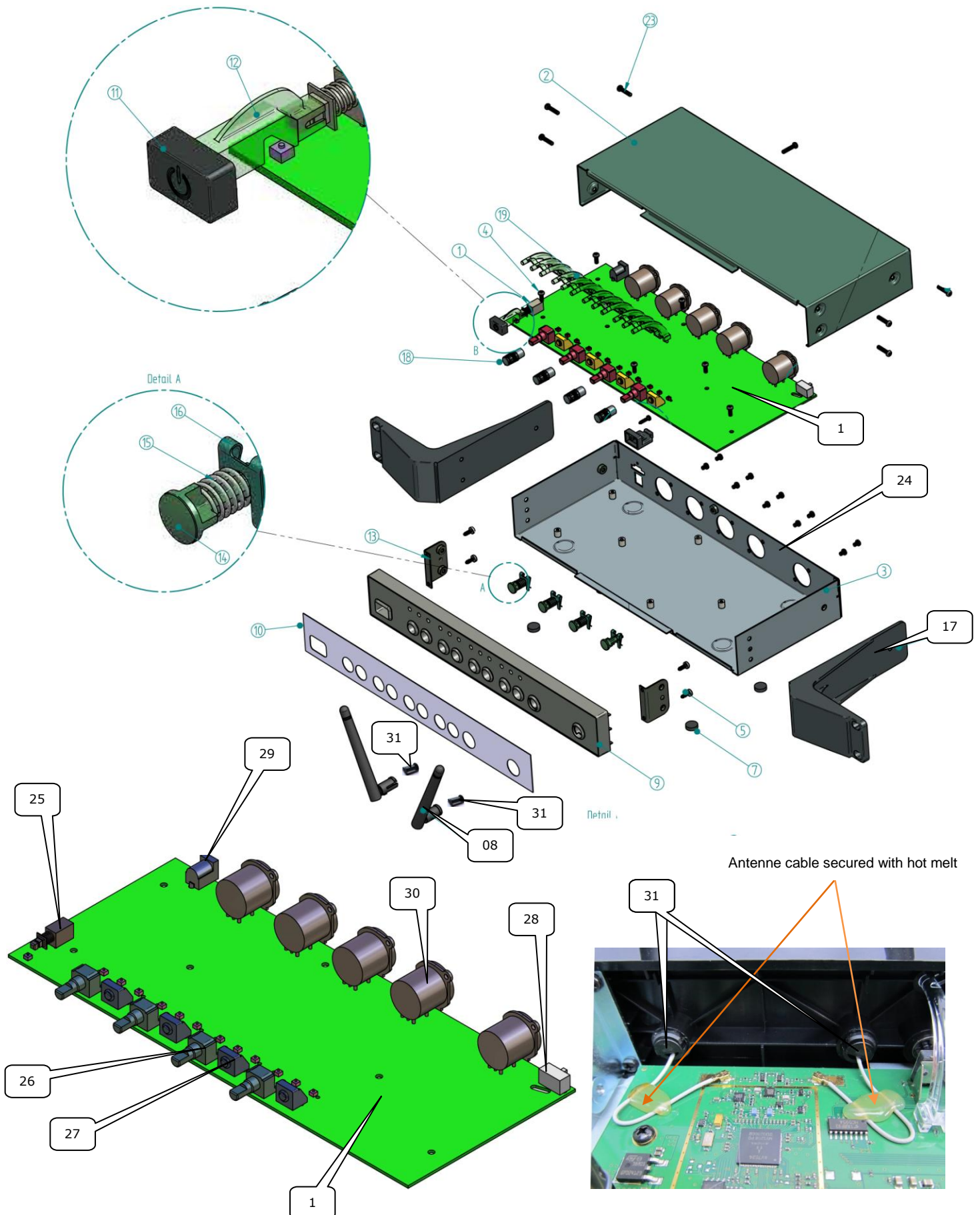



**DPT 70 Parts list / Stückliste**

<i>Description</i>	<i>Pos.</i>	<i>Part number Bestellnummer</i>	<i>Quantity Stück</i>	<i>Bezeichnung</i>
Housing top	1	3256Z10010	1	Gehäuse Oberteil
Mini XLR	2	0016E18290	1	Mini XLR Buchse
Nut groove	3	2781Z20020	1	Mutter
Light guide	4	3256Z13010	1	Lichtleiter
On/Off button	5	3256Z14010	1	On/Off Knopf
Foam	6	3256Z31010	1	Schaumeinlage
Connect button	7	3256Z12010	1	Connect Knopf
Gain control knob	8	3256Z21010	1	Gain Drehknopf
Mainboard compl.	9	3256M01010	1	Print kompl.
Battery contact	10/11	3256Z20010	2	Batteriekontakt
Battery contact support right	22	3256Z40010	1	Kontaktunterlage links
Battery contact support left	24	3256Z41010	1	Kontaktunterlage rechts
Battery cover	14	3256Z17010	1	Batteriedeckel
Belt clip	15	3156Z25010	1	Gürtelspange
Screw EjotPTKB 22x10	16	0099N22020	4	Schraube EjotPTKB 22x10
Foam	17	3256Z26010	1	Schaumeinlage
Antenna	18	3256Z30010	2	Antenne
Housing bottom	19	3256Z18010	1	Gehäuse Unterteil
Cover	20	3256Z33010	1	Abdeckung
Guide	21	3256Z32010	2	Schienen für Abdeckung
Device sticker	25	9110U39700	1	Typenschild
Potentiometer, 20kOhm	26	0021E05980	1	Trimpoti
SMD side type push switch	27	9040E00110	1	SMD Tastschalter
SMD tact switch	28	9040E00150	1	SMD Tastschalter



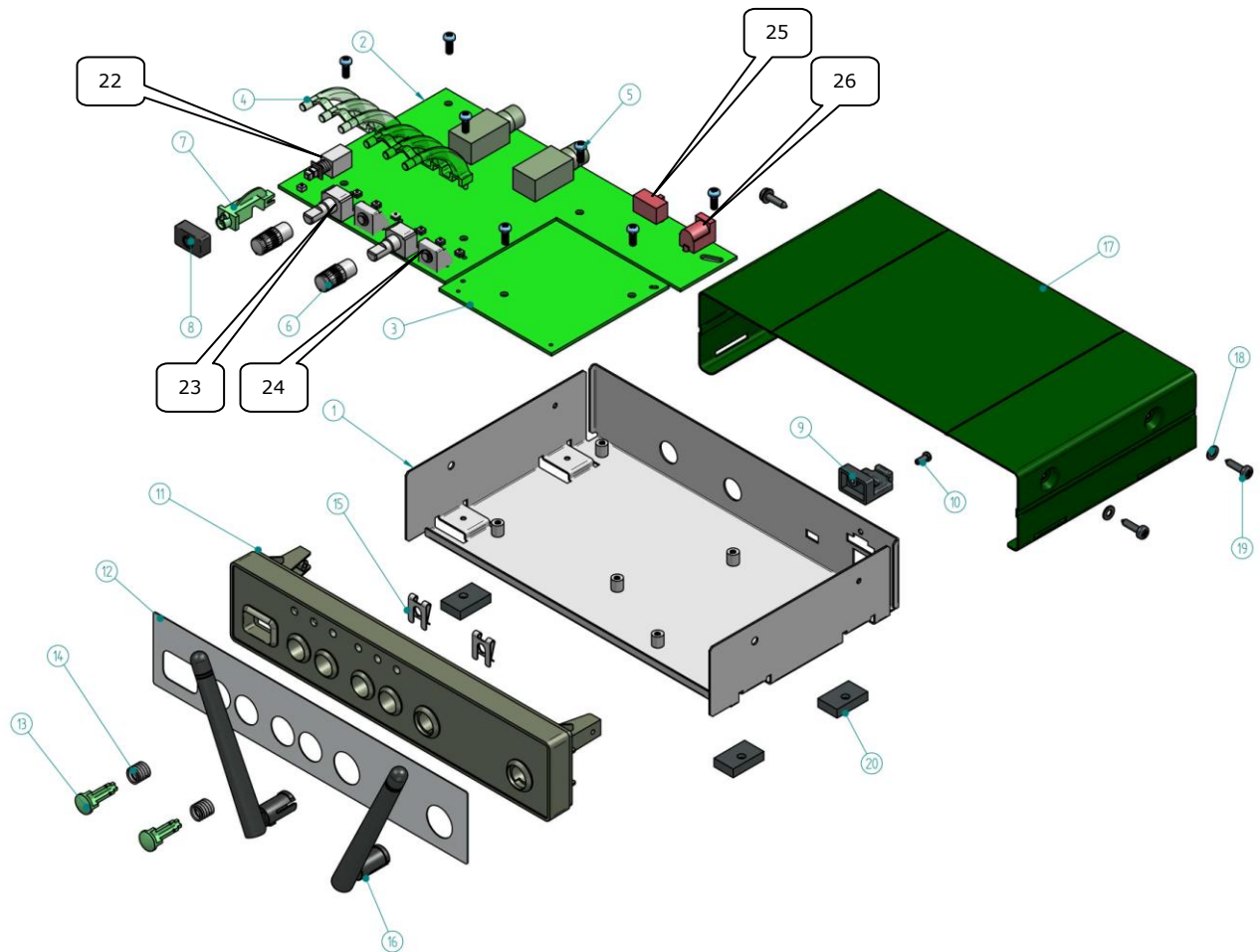
## DSR 70 3255H00010



**DSR 70 Parts list / Stückliste**

<i>Description</i>	<i>Pos.</i>	<i>Part number Bestellnummer</i>	<i>Quantity Stück</i>	<i>Bezeichnung</i>
Main board	1	3255M01010	1	Print kompl.
Housing top	2	3255Z10010	1	Gehäusedeckel
Housing bottom assy	3	3255M02010	1	Gehäuse Unterteil
Screw M3x8	4	7985D30040	8	Schraube M3x8
Screw EJOT PT DG 30x8	5	0099N30180	4	Schraube EJOT PTDG 30x8
Screw M3x15	6	7985D30010	7	Schraube M3x15
Housing foot	7	9999N06930	4	Gehäusefuß
Antenna	8	9999N07890	2	Antenne
Front	9	3255Z13010	1	Frontteil
Front foil	10	3255Z11010	1	Frontfolie
On/Off button	11	3255Z12010	1	On/Off Knopf
Lightguide (On/Off button)	12	3255Z14010	1	Lichtleiter (On/Off Knopf)
Angle assy	13	3255M03010	2	Winkel
Push button	14	3255Z15010	4	Druckknopf
Spring	15	9999N07850	4	Feder
Bossard clip	16	9999N07900	4	Sicherungsclip
Rack Mount	17	3255Z16010	3	Rack Winkel
Knob	18	3255Z17010	4	Knopf
Light guide status	19	3255Z19010	4	Lichtleiter
Washer	20	0125D03200	1	Scheibe
Strain relief	21	2889Z21010	1	Zugentlastung
Screw EJOT PT KB 25x6	22	0099N25030	11	Schraube EJOT PT KB 25x6
Washer	23	0128D03000	7	Scheibe
Device sticker	24	9110U39690	1	Typenschild
On/Off switch	25	0040E02180	1	ON/Off Schalter
Potentiometer, 10kOhm	26	0021E06000	4	Potentiometer, 10kOhm
Push button switch	27	0040E06520	4	Druckschalter
Slide switch 3pos	28	0040E01990	1	Schiebeschalter
3p DC Jack socket 6,4mm	29	0016E03730	1	3p DC-Buchse 6,4mm
XLR-socket	30	0016E03690	5	XLR-Buchse
Wedge for Antenna	31	5031647	2	Keil für Antenne
Power supply 12V/2A	-	7801H00110	1	Netzteil 12V/02A

**DSR 70 Dual 3355H00010**



**DSR 70 Dual Parts list / Stückliste**

<i>Description</i>	<i>Pos.</i>	<i>Part number Bestellnummer</i>	<i>Quantity Stück</i>	<i>Bezeichnung</i>
Housing bottom assy.	1	3355M10010	1	Gehäuse Unterteil
Main board Audio	2	3355M01010	1	Print kompl.
Main board RF	3	3355M02010	1	Print kompl.
Light guide status	4	3255Z19010	2	Lichtleiter
Screw M3x6	5	7985D30000	7	Schraube M3x6
Knob	6	3255Z17010	2	Knopf
Lightguide (On/Off button)	7	3255Z14010	1	Lichtleiter (On/Off Knopf)
On/Off button	8	3255Z12010	1	On/Off Knopf
Strain relief	9	2889Z21010	1	Zugentlastung
Screw EJOT PT KB 25x6	10	0099N25030	1	Schraube EJOT PT KB 25x6
Front	11	3355Z13010	1	Frontteil
Front foil	12	3355Z11010	1	Frontfolie
Push button	13	3255Z15010	2	Druckknopf
Spring	14	9999N07850	2	Feder
Bossard clip	15	9999N07900	2	Sicherungsclip
Antenna	16	9999N07890	2	Antenne
Cover	17	3000Z16020	1	Gehäusedeckel
Washer	18	0125D03200	1	Scheibe
Screw, (replacement screw is chrome-plated)	19	7981D29010	4	Schraube, (Ersatzschraube ist verchromt)
Housing foot	20	2943Z16010	4	Gehäusefuß
Device sticker	21	9110U39640	1	Typenschild
On/Off switch	22	0040E02180	1	ON/Off Schalter
Potentiometer, 10kOhm	23	0021E06000	2	Potentiometer, 10kOhm
Push button switch	24	0040E06520	2	Druckschalter
Slide switch 3pos	25	0040E01990	1	Schiebeschalter
3p DC Jack socket 6,4mm	26	0016E03730	1	3p DC-Buchse 6,4mm
Jack socket ¼"	27	0017E03570	2	Klinkenbuchse 6,3mm
Power supply 12V/0,5A	-	7801H00130	1	Netzteil 12V/0,5A